
Executive Summary

Synopsis

UNICORE – A European Grid Technology – is a general-purpose federation software suite providing seamless access to compute as well as data resources. It follows the latest standards from the Grid and Web services world and offers a rich set of features to its users.

UNICORE can be used in e-infrastructures of any nature and without limitations on the type of computing resource. Single PCs, cluster systems, or HPC systems are supported as well as various storage types. Data management functionality includes high-performance file transfer and metadata handling. UNICORE's flexible security architecture enables many usage scenarios. All UNICORE software is available as Open Source under BSD license from the UNICORE website (www.unicore.eu).

Supported by the UNICORE Forum (www.unicore.eu/unicore-forum), the Jülich Supercomputing Centre (JSC) at Forschungszentrum Jülich coordinates the UNICORE Open Source activities and provides support for academic users of UNICORE.



10 reasons to use UNICORE

Manager

1. Mature, well-proven federation software suite; widely used in European and national Grid projects, initiatives, and infrastructures
2. Made for Supercomputing / HPC Grids as well as Grids of Clusters and storage systems
3. Fast and competent support directly from the developers

User & Resource Provider

4. Easy to install and configure clients and services
5. Intuitive graphical user interface, portal and powerful command line client for seamless access to resources
6. Application integration mechanisms on the client, services and resource level
7. Mature workflow support
8. High throughput data transfer

Developer

9. Source code (all Java) is available and easy to modify
10. Easily extensible with own developments with the option of integration in official releases

Contact

For downloading the UNICORE software, taking a look at the source code, reading documentation and tutorials, or finding out about developments in the community, please visit the UNICORE website **www.unicore.eu**.